SCORE Search Results Details for Application 10552515 and Search Result 20081001_124547_us-10-552-515-2.rnpbm.

This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124547_us-10-552-515-2.rnpbm.

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                          GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model


Run on:           October  1, 2008, 14:22:20 ; Search time 8231 Seconds
                                              (without alignments)
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Title:            US-10-552-515-2
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Scoring table:    IDENTITY_NUC
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Searched:         37163230 seqs, 13528936759 residues

Total number of hits satisfying chosen parameters:     74326460

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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	2	2779.8	84.0	4244	29	US-11-599-845A-699	Sequence 699, App
	3	2582.8	78.1	4431	29	US-11-599-845A-697	Sequence 697, App
	4	1961.8	59.3	2697	11	US-10-450-763-15479	Sequence 15479, A
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ALIGNMENTS

RESULT 1
US-10-552-515-2
; Sequence 2, Application US/10552515
; Publication No. US20060194204A1
; GENERAL INFORMATION:
;   APPLICANT: The Government of the United States of America as
;   APPLICANT: represented by the Secretary of the Department of Health and
;   APPLICANT: Human Services
;   APPLICANT: Bera, Tapan K.
;   APPLICANT: Pastan, Ira H.
;   APPLICANT: Lee, Byungkook
;   TITLE OF INVENTION: GENE EXPRESSED IN PROSTATE CANCER AND METHODS OF USE
;   FILE REFERENCE: 4239-68223-02
;   CURRENT APPLICATION NUMBER: US/10/552,515
;   CURRENT FILING DATE: 2005-10-06
;   PRIOR APPLICATION NUMBER: PCT/US2004/10588
;   PRIOR FILING DATE: 2004-04-05
;   PRIOR APPLICATION NUMBER: 60/461,399
;   PRIOR FILING DATE: 2003-04-08
;   NUMBER OF SEQ ID NOS: 12
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 3308
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Splice Variant-Novel Gene Expressed in Prostate
US-10-552-515-2

  Query Match   100.0%; Score 3308; DB 14; Length 3308;

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 Best Local Similarity   100.0%;  Pred. No. 0;
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Qy    2401  TCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCCTCCTGGCCT  2460
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Db    2401  TCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCCTCCTGGCCT  2460

Qy    2461  TCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGACCCGCGCCCACGACCTGCGCG  2520
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2461  TCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGACCCGCGCCCACGACCTGCGCG  2520

Qy    2521  GCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCTTCGCCGCCGCGCACAACCGCA  2580
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2521  GCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCTTCGCCGCCGCGCACAACCGCA  2580

Qy    2581  CGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATTATTCCCAGACCTACTGGAATC  2640
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2581  CGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATTATTCCCAGACCTACTGGAATC  2640

Qy    2641  TTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCC  2700
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2641  TTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCC  2700

Qy    2701  GCCTCCTGGACCTCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGG  2760
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2701  GCCTCCTGGACCTCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGG  2760

Qy    2761  AGTACTACCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAA  2820
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2761  AGTACTACCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAA  2820

Qy    2821  CAAAGGATGAGCAGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTC  2880
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2821  CAAAGGATGAGCAGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTC  2880

Qy    2881  CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAG  2940
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2881  CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAG  2940

Qy    2941  TGGCCCCTCCTGAGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTG  3000
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2941  TGGCCCCTCCTGAGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTG  3000

Qy    3001  TGAACCGCTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGC  3060
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3001  TGAACCGCTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGC  3060

Qy    3061  CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCA  3120
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3061  CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCA  3120

Qy    3121  CAAGGCCCTCTTTGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGG  3180
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3121  CAAGGCCCTCTTTGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGG  3180

Qy    3181  ACCCTGTCCCTCGGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTG  3240
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Qy    3241  GGCTTTGTGGTCCTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCT 3300
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Qy    3301  TCGAATGT 3308
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Db    3301  TCGAATGT 3308
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RESULT 2
US-11-599-845A-699
; Sequence 699, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 699
;    LENGTH: 4244
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-11-599-845A-699

  Query Match              84.0%;   Score 2779.8;   DB 29;   Length 4244;
  Best Local Similarity    89.0%;   Pred. No. 0;
  Matches 3205;  Conservative    0;  Mismatches    2;  Indels  394;  Gaps    3;

Qy        93 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 152
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         1 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 60

Qy       153 CCCACCCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 212
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        61 CCCACCCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 120

Qy       213 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGCCAGGAGCAGGATGCTG 272
             |||||||||||||||||||||||||||||||||||||||||||||         |||||||||||
Db       121 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGC------CAGGATGCTG 174

Qy       273 CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCCTGATCGATGTGAGCCCCCCTGAGGCA 332
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       175 CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCCTGATCGATGTGAGCCCCCCTGAGGCA 234

Qy       333 GAGAAGAGGGGCTCTTACGGGAGCACAGCCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 392
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       235 GAGAAGAGGGGCTCTTACGGGAGCACAGCCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 294

Qy       393 GCCGCCTGCAGAGCTGGGAGTCCTGCCAAGCCCCGGATCGCAGACTTCGTCCTCGTTTGG 452
             ||||||||||||||||||||||||||||||||||||||||||    |||||||||||||||||||||
Db       295 GCCGCCTGCAGAGCTGGGAGTCCTGCCAAGCCCCGGATC---GACTTCGTCCTCGTTTGG 351

Qy       453 GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG 512
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       352 GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG 411

Qy       513 CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC 572
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Db       412 CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC 471

Qy       573 CAGCAGGACGTCCAGGACGGGAACACCACAGTGCACTACGCCCTCCTCAGCGCCTCCTGG 632
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Db       472 CAGCAGGACGTCCAGGACGGGAACACCACAGTGCACTACGCCCTCCTCAGCGCCTCCTGG 531

Qy       633 GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC 692
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       532 GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC 591

Qy       693 AACCAGGCCTCCAACTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG 752
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       592 AACCAGGCCTCCAACTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG 651
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Qy    753 CTGGAGGTTGTGCCAGACGTACCCCCCGAGTACTACTCCTGCCGGTTCAGAGTGAACAAG 812
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Db    652 CTGGAGGTTGTGCCAGACGTACCCCCCGAGTACTACTCCTGCCGGTTCAGAGTGAACAAG 711

Qy    813 CTGCCACGCTTCCTCGGGAGTGACAACCAGGACACCTTCTTCACAAGCACCAAGAGGCAC 872
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    712 CTGCCACGCTTCCTCGGGAGTGACAACCAGGACACCTTCTTCACAAGCACCAAGAGGCAC 771

Qy    873 CAAATTCTGTTTGAGATCCTGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT 932
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    772 CAAATTCTGTTTGAGATCCTGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT 831

Qy    933 GGGATCCACCAGCTGCTGGCAGAGGGTGTCCTCAGTGCCGCCTTCCCCCTGCATGACGGC 992
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    832 GGGATCCACCAGCTGCTGGCAGAGGGTGTCCTCAGTGCCGCCTTCCCCCTGCATGACGGC 891

Qy    993 CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT 1052
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    892 CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT 951

Qy   1053 TTCCAGCACTGGGCGCGCTGGGGCAAGTGGAACAAGTACCAGCCCCTGGACCACGTGCGC 1112
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    952 TTCCAGCACTGGGCGCGCTGGGGCAAGTGGAACAAGTACCAGCCCCTGGACCACGTGCGC 1011

Qy   1113 AGGTACTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG 1172
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1012 AGGTACTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG 1071

Qy   1173 CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC 1232
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1072 CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC 1131

Qy   1233 TCAGACATACCCACGCAGGAACTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACTT 1292
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Db   1132 TCAGACATACCCACGCAGGAACTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACTT 1191

Qy   1293 TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCGG 1352
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1192 TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCGG 1251

Qy   1353 CTGTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG 1412
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1252 CTGTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG 1311

Qy   1413 CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC 1472
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1312 CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC 1371

Qy   1473 TACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCC 1532
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1372 TACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCC 1431

Qy   1533 CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC 1592
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Db    1432  CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC  1491

Qy    1593  ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG  1652
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1492  ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG  1551

Qy    1653  TCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTT  1712
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Db    1552  TCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTT  1611

Qy    1713  CTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC  1772
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1612  CTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC  1671

Qy    1773  ATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG  1832
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1672  ATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG  1731

Qy    1833  CACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTC  1892
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1732  CACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTC  1791

Qy    1893  GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC  1952
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1792  GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC  1851

Qy    1953  CCAGGCAACTACCACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGC  2012
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Db    1852  CCAGGCAACTACCACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGC  1911

Qy    2013  CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC  2072
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Db    1912  CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC  1971

Qy    2073  ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC  2132
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1972  ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC  2031

Qy    2133  AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT  2192
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2032  AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT  2091

Qy    2193  GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC  2252
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2092  GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC  2151

Qy    2253  TTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC  2312
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Db    2152  TTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC  2211

Qy    2313  TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCC  2372
            ||||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||
Db    2212  TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCC  2271
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Qy    2373 GAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG 2432
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Db    2272 GAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG 2331

Qy    2433 GTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTAC 2492
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Db    2332 GTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTAC 2391

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Qy    2553 TCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGAT 2612
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Db    2452 TCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGAT 2511

Qy    2613 GGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTG 2672
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Db    2512 GGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTG 2571

Qy    2673 TTTG---------------------------------------------------- 2676
           ||||
Db    2572 TTTGAGGTAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCCGACCCTGT 2631

Qy    2677 -------------------------------------------------------- 2676

Db    2632 GCTTTGCCTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACTTCCTGCTGTGTCATC 2691

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Qy    2677 -------------------------------------------------------- 2676

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Qy    2677 -------------------------------------------------------- 2676

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Qy    2677 --------------------------------AGCATGTGGTTTTCTCCGTTGGCCGCCTCCT 2707
                                           ||||||||||||||||||||||||||||||
Db    2932 GGTGGGCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCT 2991

Qy    2708 GGACCTCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTA 2767
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Db    2992 GGACCTCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTA 3051

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Db      3052 CCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGA 3111

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             ||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db      3112 TGAGCAGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGC 3171

Qy      2888 CAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCC 2947
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      3172 CAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCC 3231

Qy      2948 TCCTGAGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCG 3007
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Qy      3008 CTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTC 3067
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Db      3292 CTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTC 3351

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Db      3352 TCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCC 3411

Qy      3128 CTCTTTGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGT 3187
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Qy      3188 CCCTCGGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTG 3247
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Db      3472 CCCTCGGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTG 3531

Qy      3248 TGGTCCTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATG 3307
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      3532 TGGTCCTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATG 3591

Qy      3308 T 3308
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Db      3592 T 3592
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RESULT 3
US-11-599-845A-697
; Sequence 697, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul E.
;  APPLICANT:  Ebner, Reinhard
;  APPLICANT:  Weaver, Zoe
;  APPLICANT:  Strovel, Jeffrey W.
;  APPLICANT:  Horrigan, Stephen K.
;  APPLICANT:  Shea, Martin
;  APPLICANT:  Weigle, Bernd
;  APPLICANT:  Rieger, Michael
;  APPLICANT:  Rick, Jennifer A.
;  APPLICANT:  Cain, Colyn B.
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;   TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
;   FILE REFERENCE: 689290-273
;   CURRENT APPLICATION NUMBER: US/11/599,845A
;   CURRENT FILING DATE:  2006-11-15
;   PRIOR APPLICATION NUMBER: 10/585,466
;   PRIOR FILING DATE: 2005-01-04
;   PRIOR APPLICATION NUMBER: PCT/US2005/000040
;   PRIOR FILING DATE: 2005-01-04
;   PRIOR APPLICATION NUMBER: 10/583,832
;   PRIOR FILING DATE: 2004-12-16
;   PRIOR APPLICATION NUMBER: PCT/US2004/42406
;   PRIOR FILING DATE: 2004-12-16
;   PRIOR APPLICATION NUMBER: 10/575,337
;   PRIOR FILING DATE: 2004-10-07
;   PRIOR APPLICATION NUMBER: PCT/US2004/33072
;   PRIOR FILING DATE: 2004-10-07
;   PRIOR APPLICATION NUMBER: 10/540,310
;   PRIOR FILING DATE: 2003-12-19
;   PRIOR APPLICATION NUMBER: PCT/US2003/40710
;   PRIOR FILING DATE: 2003-12-19
;   PRIOR APPLICATION NUMBER: 10/518,039
;   PRIOR FILING DATE: 2003-06-10
;   PRIOR APPLICATION NUMBER: PCT/US2003/19741
;   PRIOR FILING DATE: 2003-06-10
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 769
;   SOFTWARE: PatentIn version 3.0
; SEQ ID NO 697
;   LENGTH: 4431
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-599-845A-697

  Query Match                78.1%;   Score 2582.8;   DB 29;   Length 4431;
  Best Local Similarity      84.6%;   Pred. No. 0;
  Matches 3205;  Conservative   0;  Mismatches   2;  Indels  581;  Gaps    4;

Qy       93 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 152
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Db        1 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 60

Qy      153 CCCACCCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 212
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 CCCACCCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 120

Qy      213 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGCCAGGAGCAGGATGCTG 272
            |||||||||||||||||||||||||||||||||||||||||||||       ||||||||||
Db      121 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGC------CAGGATGCTG 174

Qy      273 CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCCTGATCGATGTGAGCCCCCCTGAGGCA 332
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      175 CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCCTGATCGATGTGAGCCCCCCTGAGGCA 234

Qy      333 GAGAAGAGGGGCTCTTACGGGAGCACAGCCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 392
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Db     235   GAGAAGAGGGGCTCTTACGGGAGCACAGCCCACGCCTCGGAGCCAGGTGGACAGCAAGCG   294

Qy     393   GCCGCCTGCAGAGCTGGGAGTCCTGCCAAGCCCCGGATCGCAGACTTCGTCCTCGTTTGG   452
             ||||||||||||||||||||||||||||||||||||||||||    |||||||||||||||
Db     295   GCCGCCTGCAGAGCTGGGAGTCCTGCCAAGCCCCGGATC---GACTTCGTCCTCGTTTGG   351

Qy     453   GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG   512
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     352   GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG   411

Qy     513   CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC   572
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     412   CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC   471

Qy     573   CAGCAGGACGTCCAGGACGGGAACACCACAGTGCACTACGCCCTCCTCAGCGCCTCCTGG   632
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Db     472   CAGCAGGACGTCCAGGACGGGAACACCACAGTGCACTACGCCCTCCTCAGCGCCTCCTGG   531

Qy     633   GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC   692
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     532   GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC   591

Qy     693   AACCAGGCCTCCAACTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG   752
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     592   AACCAGGCCTCCAACTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG   651

Qy     753   CTGGAGGTTGTGCCAGACGTACCCCCCGAGTACTACTCCTGCCGGTTCAGAGTGAACAAG   812
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Db     652   CTGGAGGTTGTGCCAGACGTACCCCCCGAGTACTACTCCTGCCGGTTCAGAGTGAACAAG   711

Qy     813   CTGCCACGCTTCCTCGGGAGTGACAACCAGGACACCTTCTTCACAAGCACCAAGAGGCAC   872
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Db     712   CTGCCACGCTTCCTCGGGAGTGACAACCAGGACACCTTCTTCACAAGCACCAAGAGGCAC   771

Qy     873   CAAATTCTGTTTGAGATCCTGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT   932
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Db     772   CAAATTCTGTTTGAGATCCTGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT   831

Qy     933   GGGATCCACCAGCTGCTGGCAGAGGGTGTCCTCAGTGCCGCCTTCCCCCTGCATGACGGC   992
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     832   GGGATCCACCAGCTGCTGGCAGAGGGTGTCCTCAGTGCCGCCTTCCCCCTGCATGACGGC   891

Qy     993   CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT   1052
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     892   CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT   951

Qy     1053  TTCCAGCACTGGGCGCGCTGGGGCAAGTGGAACAAGTACCAGCCCCTGGACCACGTGCGC   1112
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     952   TTCCAGCACTGGGCGCGCTGGGGCAAGTGGAACAAGTACCAGCCCCTGGACCACGTGCGC   1011

Qy     1113  AGGTACTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG   1172
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Db     1012  AGGTACTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG   1071
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Qy    1173  CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC  1232
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Db    1072  CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC  1131

Qy    1233  TCAGACATACCCACGCAGGAACTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACTT  1292
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1132  TCAGACATACCCACGCAGGAACTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACTT  1191

Qy    1293  TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCGG  1352
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1192  TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCGG  1251

Qy    1353  CTGTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG  1412
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Db    1252  CTGTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG  1311

Qy    1413  CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC  1472
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Db    1312  CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC  1371

Qy    1473  TACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCC  1532
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Qy    1533  CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC  1592
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Db    1432  CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC  1491

Qy    1593  ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG  1652
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Db    1492  ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG  1551

Qy    1653  TCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTT  1712
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1552  TCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTT  1611

Qy    1713  CTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC  1772
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Db    1612  CTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC  1671

Qy    1773  ATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG  1832
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Db    1672  ATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG  1731

Qy    1833  CACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTC  1892
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Db    1732  CACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTC  1791

Qy    1893  GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC  1952
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Db    1792  GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC  1851

Qy    1953  CCAGGCAACTACCACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGC  2012
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Db   1852  CCAGGCAACTACCACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGC  1911

Qy   2013  CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC  2072
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Db   1912  CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC  1971

Qy   2073  ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC  2132
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Db   1972  ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC  2031

Qy   2133  AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT  2192
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Db   2032  AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT  2091

Qy   2193  GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC  2252
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Db   2092  GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC  2151

Qy   2253  TTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC  2312
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Db   2152  TTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC  2211

Qy   2313  TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCC  2372
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Db   2212  TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCC  2271

Qy   2373  GAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG  2432
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Db   2272  GAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG  2331

Qy   2433  GTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTAC  2492
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Db   2332  GTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTAC  2391

Qy   2493  CGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCG  2552
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Db   2392  CGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCG  2451

Qy   2553  TCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAG------------------------  2587
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Db   2452  TCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGTGTAGCAGGACGAGTCGCAGACAGA  2511

Qy   2588  ------------------------------------------------------------  2587

Db   2512  ACTCCTCAGACACCGGATTAAAGAAGGAAGAGGTTTTTTTATTCGGCCGGGGGCGTCGGC  2571

Qy   2588  ------------------------------------------------------------  2587

Db   2572  AGACTCGTGTCTTCAGAGCGGAGCTCGCCGAAAAAGAAATTCTTAGCCCTTTGAAGGGCT  2631

Qy   2588  ---------------------------------------------GTATCGGGCTTTCCGGGA  2605
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Db   2632  TACAACTCTAAGGGTCTACGTGAAAGAGTCATAATAGATCAAGTATCGGGCTTTCCGGGA  2691
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Qy   2606 TGACGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGT 2665
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Db   2692 TGACGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGT 2751

Qy   2666 CATTGTGTTTG------------------------------------------------- 2676
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Db   2752 CATTGTGTTTGAGGTAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCCG 2811

Qy   2677 ------------------------------------------------------------ 2676

Db   2812 ACCCTGTGCTTTGCCTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACTTCCTGCTG 2871

Qy   2677 ------------------------------------------------------------ 2676

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Qy   2677 ------------------------------------------------------------ 2676

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Qy   2677 ------------------------------------------------------------ 2676

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Qy   2677 ------------------------------------------------------------ 2676

Db   3052 CCACAGCTGGGAGCAGGTGCCGGAGCCCCGGCCTGCCTGGCCCTGTGAAGGCCACTCTGG 3111

Qy   2677 -----------------------------------AGCATGTGGTTTTCTCCGTTGGCC 2700
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Db   3112 GCGTTTGGGTGGGCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCC 3171

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           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3172 GCCTCCTGGACCTCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGG 3231

Qy   2761 AGTACTACCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAA 2820
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3232 AGTACTACCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAA 3291

Qy   2821 CAAAGGATGAGCAGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTC 2880
           |||||||||||||||||||| |||||||||||||||||||||||||||||||||||||||
Db   3292 CAAAGGATGAGCAGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTC 3351

Qy   2881 CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAG 2940
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3352 CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAG 3411

Qy   2941 TGGCCCCTCCTGAGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTG 3000
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3412 TGGCCCCTCCTGAGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTG 3471

Qy   3001 TGAACCGCTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGC 3060
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Db      3472 TGAACCGCTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGC 3531

Qy      3061 CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCA 3120
             | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      3532 CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCA 3591

Qy      3121 CAAGGCCCTCTTTGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGG 3180
             | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      3592 CAAGGCCCTCTTTGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGG 3651

Qy      3181 ACCCTGTCCCTCGGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTG 3240
             | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      3652 ACCCTGTCCCTCGGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTG 3711

Qy      3241 GGCTTTGTGGTCCTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCT 3300
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Db      3712 GGCTTTGTGGTCCTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCT 3771

Qy      3301 TCGAATGT 3308
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Db      3772 TCGAATGT 3779


RESULT 4
US-10-450-763-15479
; Sequence 15479, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;  FILE REFERENCE: 790CIP3/US
;  CURRENT APPLICATION NUMBER: US/10/450,763
;  CURRENT FILING DATE:  2003-06-11
;  PRIOR APPLICATION NUMBER: PCT/US01/08631
;  PRIOR FILING DATE: 2001-03-30
;  PRIOR APPLICATION NUMBER: 09/540,217
;  PRIOR FILING DATE: 2000-03-31
;  PRIOR APPLICATION NUMBER: 09/649,167
;  PRIOR FILING DATE: 2000-08-23
;  NUMBER OF SEQ ID NOS: 60736
;  SOFTWARE: Custom
; SEQ ID NO 15479
;   LENGTH: 2697
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SIMILAR
;   LOCATION: (373)..(891)
;   OTHER INFORMATION: 99% homologous to unidentified cloning vector 29kD protein
;   OTHER INFORMATION: essential for the replication of mini F plasmid,accession number
;   OTHER INFORMATION: AB015619,Smith-Waterman Score=897.
US-10-450-763-15479
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 Query Match         59.3%;   Score 1961.8;   DB 11;   Length 2697;
 Best Local Similarity   97.4%;   Pred. No. 0;
 Matches 2009;  Conservative    0;  Mismatches   42;  Indels   12;  Gaps    1;
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Qy       242 CGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCAC 301
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Db       417 CCGAGTCGAGTCTGTAAAGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCAC 476

Qy       302 CGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAGC 361
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Db       477 CGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAGC 536

Qy       362 CCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCAA 421
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       537 CCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCAA 596

Qy       422 GCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGCA 481
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       597 GCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGCA 656

Qy       482 GGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGGA 541
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       657 GGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGGA 716

Qy       542 TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC 601
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       717 TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC 776

Qy       602 AGTGCACTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGCTACTACGCCGAAGACCT 661
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       777 AGTGCACTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGCTACTACGCCGAAGACCT 836

Qy       662 GCGCCTGAAGCTGCCCTTGCAGGAGTTACCCAACCAGGCCTCCAACTGGTCGGCCGGCCT 721
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       837 GCGCCTGAAGCTGCCCTTGCAGGAGTTACCCAACCAGGCCTCCAACTGGTCGGCCGGCCT 896

Qy       722 GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCCGA 781
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       897 GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCCGA 956

Qy       782 GTACTACTCCTGCCGGTTCAGAGTGAACAAGCTGCCACGCTTCCTCGGGAGTGACAACCA 841
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       957 GTACTACTCCTGCCGGTTCAGAGTGAACAAGCTGCCACGCTTCCTCGGGAGTGACAACCA 1016

Qy       842 GGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAGAC 901
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1017 GGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAGAC 1076

Qy       902 CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT 961
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1077 CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT 1136

Qy       962 CCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCTTCAAGACGCCCCCAGAGGGCCCGCA 1021
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Db    1137  CCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCTTCAAGACGCCCCCAGAGGGCCCGCA  1196

Qy    1022  GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG  1081
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1197  GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG  1256

Qy    1082  GAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA  1141
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1257  GAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA  1316

Qy    1142  CTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT  1201
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1317  CTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT  1376

Qy    1202  GGTGTTCCTGGTGGGCTGCTTCCTGGTGTTCTCAGACATACCCACGCAGGAACTGTGTGG  1261
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Db    1377  GGTGTTCCTGGTGGGCTGCTTCCTGGTGTTCTCAGACATACCCACGCAGGAACTGTGTGG  1436

Qy    1262  CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC  1321
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Db    1437  CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC  1496

Qy    1322  CAGCGCCTGTGCCCTGGCCC-----------AGGCCGGCCGGCTGTTCGACCACGGCGG  1369
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Db    1497  CAGCGCCTGTGCCCTGGCCCAGGTACGAGAAGAGGCCGGCCGGCTGTTCGACCACGGCGG  1556

Qy    1370  CACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAA  1429
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Db    1557  CACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAA  1616

Qy    1430  GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA  1489
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Db    1617  GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA  1676

Qy    1490  GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG  1549
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Db    1677  GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG  1736

Qy    1550  TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGCATGCTGGCCGGCTCTGT  1609
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Db    1737  TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGCATGCTGGCCGGCTCTGT  1796

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Qy    1670  TGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTC  1729
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Db    1857  TGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTC  1916

Qy    1730  TCGCATCGCCAGCCTCACGGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAA  1789
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1917  TCGCATCGCCAGCCTCACGGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAA  1976
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Qy      1790 GATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAA 1849
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Db      1977 GATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAA 2036

Qy      1850 GTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTCGTCAACTTCTACTCCTC 1909
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2037 GTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTCGTCAACTTCTACTCCTC 2096

Qy      1910 ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC 1969
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2097 ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC 2156

Qy      1970 CTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACA 2029
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2157 CTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACA 2216

Qy      2030 GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT 2089
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2217 GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT 2276

Qy      2090 CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGG 2149
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Db      2277 CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGG 2336

Qy      2150 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2209
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2337 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2396

Qy      2210 GGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGT 2269
             |||||||||||||||||||||||||||||          ||| || | | || | |
Db      2397 GGGTCTGTTTGACGAGTACCTGGAAATGGGAGCAGGTTTCTGCCCCAACGCCTGCCCTGA 2456

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Db      2457 GTTAGTTCCTGAGCTCACCGAGC 2479
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RESULT 5
US-10-302-689A-129623
; Sequence 129623, Application US/10302689A
; Publication No. US20080050393A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Asundi, Vinod
; APPLICANT: Ballinger, Dennis
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
; APPLICANT: Liu, Jin
; APPLICANT: Loeb, Deborah
; APPLICANT: Montgomery, Julia, R.
; APPLICANT: Pace, Ann M.
; APPLICANT: Sheridan, James P.
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

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;  FILE REFERENCE: 502CIP
;  CURRENT APPLICATION NUMBER: US/10/302,689A
;  CURRENT FILING DATE:  2002-11-22
;  PRIOR APPLICATION NUMBER: 10/273,573
;  PRIOR FILING DATE: 2002-10-18
;  PRIOR APPLICATION NUMBER: 10/084,643
;  PRIOR FILING DATE: 2002-02-26
;  PRIOR APPLICATION NUMBER: 09/989,660
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: 10/014,487
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: 09/952,981
;  PRIOR FILING DATE: 2001-09-14
;  PRIOR APPLICATION NUMBER: 09/922,279
;  PRIOR FILING DATE: 2001-08-03
;  PRIOR APPLICATION NUMBER: 09/905,059
;  PRIOR FILING DATE: 2001-07-12
;  PRIOR APPLICATION NUMBER: 09/898,888
;  PRIOR FILING DATE: 2001-07-03
;  PRIOR APPLICATION NUMBER: 09/919,002
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 09/770,160
;  PRIOR FILING DATE: 2001-01-26
;  Remaining Prior Application data removed – See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 158931
;  SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 129623
;    LENGTH: 2697
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-302-689A-129623

  Query Match               59.3%;  Score 1961.8;  DB 17;  Length 2697;
  Best Local Similarity     97.4%;  Pred. No. 0;
  Matches 2009;  Conservative    0;  Mismatches  42;  Indels  12;  Gaps    1;

Qy        242 CGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCAC 301
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Db        417 CCGAGTCGAGTCTGTAAAGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCAC 476

Qy        302 CGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAGC 361
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        477 CGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAGC 536

Qy        362 CCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCAA 421
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        537 CCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCAA 596

Qy        422 GCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGCA 481
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Db        597 GCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGCA 656

Qy        482 GGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGGA 541
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Db    657  GGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGGA  716

Qy    542  TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC  601
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    717  TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC  776

Qy    602  AGTGCACTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGCTACTACGCCGAAGACCT  661
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    777  AGTGCACTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGCTACTACGCCGAAGACCT  836

Qy    662  GCGCCTGAAGCTGCCCTTGCAGGAGTTACCCAACCAGGCCTCCAACTGGTCGGCCGGCCT  721
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Db    837  GCGCCTGAAGCTGCCCTTGCAGGAGTTACCCAACCAGGCCTCCAACTGGTCGGCCGGCCT  896

Qy    722  GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCCGA  781
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    897  GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCCGA  956

Qy    782  GTACTACTCCTGCCGGTTCAGAGTGAACAAGCTGCCACGCTTCCTCGGGAGTGACAACCA  841
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    957  GTACTACTCCTGCCGGTTCAGAGTGAACAAGCTGCCACGCTTCCTCGGGAGTGACAACCA  1016

Qy    842  GGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAGAC  901
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Db   1017  GGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAGAC  1076

Qy    902  CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT  961
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Db   1077  CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT  1136

Qy    962  CCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCTTCAAGACGCCCCCAGAGGGCCCGCA  1021
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Db   1137  CCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCTTCAAGACGCCCCCAGAGGGCCCGCA  1196

Qy   1022  GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG  1081
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Db   1197  GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG  1256

Qy   1082  GAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA  1141
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1257  GAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA  1316

Qy   1142  CTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT  1201
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1317  CTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT  1376

Qy   1202  GGTGTTCCTGGTGGGCTGCTTCCTGGTGTTCTCAGACATACCCACGCAGGAACTGTGTGG  1261
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1377  GGTGTTCCTGGTGGGCTGCTTCCTGGTGTTCTCAGACATACCCACGCAGGAACTGTGTGG  1436

Qy   1262  CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC  1321
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1437  CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC  1496
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Qy    1322  CAGCGCCTGTGCCCTGGCCC-----------AGGCCGGCCGGCTGTTCGACCACGGCGG  1369
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Db    1497  CAGCGCCTGTGCCCTGGCCCAGGTACGAGAAGAGGCCGGCCGGCTGTTCGACCACGGCGG  1556

Qy    1370  CACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAA  1429
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1557  CACCGTGTTCTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAA  1616

Qy    1430  GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA  1489
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1617  GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA  1676

Qy    1490  GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG  1549
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Db    1677  GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG  1736

Qy    1550  TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGT  1609
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Db    1737  TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGT  1796

Qy    1610  GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCG  1669
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Db    1797  GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCG  1856

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Db    1857  TGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTC  1916

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Db    1917  TCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAA  1976

Qy    1790  GATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAA  1849
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Db    1977  GATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAA  2036

Qy    1850  GTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTCGTCAACTTCTACTCCTC  1909
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Db    2037  GTTCGAGGACGCCTTCACCCTCAAGGTGTTCATCTTCCAGTTCGTCAACTTCTACTCCTC  2096

Qy    1910  ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC  1969
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2097  ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC  2156

Qy    1970  CTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACA  2029
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Qy    2030  GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT  2089
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2217  GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT  2276

Qy    2090  CCCGAAGCTAAAGGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGG  2149
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Db      2277 CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGG 2336

Qy      2150 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2209
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Db      2337 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2396

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Db      2397 GGGTCTGTTTGACGAGTACCTGGAAATGGGAGCAGGTTTCTGCCCCAACGCCTGCCCTGA 2456

Qy      2270 GGCCGCCTGTCCGCTCGCGCCGC 2292
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Db      2457 GTTAGTTCCTGAGCTCACCGAGC 2479


RESULT 6
US-11-266-748A-393943
; Sequence 393943, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
;  APPLICANT: Harkin, Paul
;  APPLICANT:  Johnston, Patrick
;  APPLICANT:  Mulligan, Karl
;  TITLE OF INVENTION: Transcriptome Microarray Technology and
;  TITLE OF INVENTION:  Methods of Using the Same
;  FILE REFERENCE: 55815-0102 (319189)
;  CURRENT APPLICATION NUMBER: US/11/266,748A
;  CURRENT FILING DATE:  2005-11-03
;  PRIOR APPLICATION NUMBER: EP 04105479.2
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105482.6
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105483.4
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105507.0
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105485.9
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105484.2
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: US 60/662,276
;  PRIOR FILING DATE: 2005-03-14
;  PRIOR APPLICATION NUMBER: US 60/700,293
;  PRIOR FILING DATE: 2005-07-18
;  NUMBER OF SEQ ID NOS: 483996
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 393943
;   LENGTH: 1000
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-11-266-748A-393943

  Query Match             30.2%;  Score 1000;  DB 21;  Length 1000;
  Best Local Similarity   100.0%;  Pred. No. 2e-260;
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 Matches 1000;  Conservative    0;  Mismatches     0;  Indels     0;  Gaps     0;

Qy     2309 CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGT 2368
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        1 CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGT 60

Qy     2369 GGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT 2428
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 GGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT 120

Qy     2429 GGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTA 2488
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      121 GGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTA 180

Qy     2489 CTACCGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGC 2548
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      181 CTACCGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGC 240

Qy     2549 CCCGTCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGA 2608
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      241 CCCGTCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGA 300

Qy     2609 CGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT 2668
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      301 CGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT 360

Qy     2669 TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT 2728
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      361 TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT 420

Qy     2729 CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCACTGGC 2788
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      421 CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCACTGGC 480

Qy     2789 TGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA 2848
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      481 TGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA 540

Qy     2849 GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG 2908
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      541 GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG 600

Qy     2909 CCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGCG 2968
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      601 CCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGCG 660

Qy     2969 TCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCAT 3028
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      661 TCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCAT 720

Qy     3029 CTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCAC 3088
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      721 CTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCAC 780
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Qy      3089 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 3148
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       781 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 840

Qy      3149 ACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGGC 3208
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       841 ACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGGC 900

Qy      3209 CCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGCC 3268
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       901 CCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGCC 960

Qy      3269 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
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Db       961 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 1000
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RESULT 7
US-11-266-748A-464989/c
; Sequence 464989, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 464989
;   LENGTH: 1000
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-11-266-748A-464989

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 Query Match          30.2%;   Score 1000;  DB 21;   Length 1000;
 Best Local Similarity  100.0%;   Pred. No. 2e-260;
 Matches 1000;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy      2309 CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGT 2368
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1000 CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGT 941

Qy      2369 GGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT 2428
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       940 GGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT 881

Qy      2429 GGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTA 2488
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       880 GGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTA 821

Qy      2489 CTACCGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGC 2548
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       820 CTACCGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGC 761

Qy      2549 CCCGTCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGA 2608
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       760 CCCGTCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGA 701

Qy      2609 CGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT 2668
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       700 CGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT 641

Qy      2669 TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT 2728
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Db       640 TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT 581

Qy      2729 CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCACTGGC 2788
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       580 CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCACTGGC 521

Qy      2789 TGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA 2848
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Db       520 TGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA 461

Qy      2849 GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG 2908
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       460 GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG 401

Qy      2909 CCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGCG 2968
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       400 CCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGCG 341

Qy      2969 TCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCAT 3028
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       340 TCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCAT 281

Qy      3029 CTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCAC 3088
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Db    280 CTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCAC 221

Qy   3089 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 3148
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Db    220 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 161

Qy   3149 ACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGGC 3208
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    160 ACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGGC 101

Qy   3209 CCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGCC 3268
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    100 CCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGCC 41

Qy   3269 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
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Db     40 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 1
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RESULT 8
US-09-957-708-19
; Sequence 19, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
;   APPLICANT: Sun, Yongming
;   APPLICANT: Recipon, Herve
;   APPLICANT: Cafferkey, Robert
;   APPLICANT: Ali, Shujath
;   TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
;   TITLE OF INVENTION: Genes
;   FILE REFERENCE: DEX-0239
;   CURRENT APPLICATION NUMBER: US/09/957,708
;   CURRENT FILING DATE: 2001-09-19
;   PRIOR APPLICATION NUMBER: 60/233,746
;   PRIOR FILING DATE: 2000-09-19
;   NUMBER OF SEQ ID NOS: 40
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 2125
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-957-708-19

  Query Match   19.2%;   Score 636.6; DB 3;   Length 2125;
  Best Local Similarity 72.8%;   Pred. No. 1.2e-161;
  Matches 1045; Conservative   0; Mismatches   4; Indels 386; Gaps   2;

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Qy   2260 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACTGGGTGG 2319
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Db      1 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACTGGGTGG 60

Qy   2320 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCG 2379
          |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Db     61 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCCGAGCGCA 120
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Qy    2380  CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCA  2439
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Db     121  CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCA   180

Qy    2440  GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGA  2499
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181  GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGA   240

Qy    2500  CCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCT  2559
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241  CCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCT   300

Qy    2560  TCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT  2619
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     301  TCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT   360

Qy    2620  ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTG---  2676
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     361  ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTGAGG   420

Qy    2677  ------------------------------------------------------------  2676

Db     421  TAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCCGACCCTGTGCTTTGC   480

Qy    2677  ------------------------------------------------------------  2676

Db     481  CTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACTTCCTGCTGTGTCATCTTGGTCA   540

Qy    2677  ------------------------------------------------------------  2676

Db     541  AATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCATCCCTGGGTTGTGGT   600

Qy    2677  ------------------------------------------------------------  2676

Db     601  GTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGCTGGGGTGGCCTCTG   660

Qy    2677  ------------------------------------------------------------  2676

Db     661  CCCCTTCTGGGGGTTCCTTTTCCTGCACAGCTGCTTTCTGACTCCACCCACAGCTGGGAGC   720

Qy    2677  ------------------------------------------------------------  2676

Db     721  AGGTGCCGGAGCCCCGGCCTGCCTGGCCCTGTGAAGGCCACTCTGGGCGTTTGGGTGGGC   780

Qy    2677  --------------------AGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTC  2714
                                ||||||||||||||||||||||||||||||||||||||
Db     781  GTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTC   840

Qy    2715  CTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT  2774
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     841  CTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT   900

Qy    2775  AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAG  2834
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Db    901  AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAG  960

Qy   2835  CCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAG  2894
             ||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961  CCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAG  1020

Qy   2895  CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAG  2954
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021  CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAG  1080

Qy   2955  CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCT-  3013
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1081  CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTG  1140

Qy   3014  GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCT  3073
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |
Db   1141  GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCTT  1200

Qy   3074  CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT  3133
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1201  CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT  1260

Qy   3134  GTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCG  3193
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Db   1261  GTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCG  1320

Qy   3194  GTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC  3253
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Db   1321  GTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC  1380

Qy   3254  TCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT  3308
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Db   1381  TCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT  1435
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RESULT 9
US-11-230-251-19
; Sequence 19, Application US/11230251
; Publication No. US20060019322A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/11/230,251
; CURRENT FILING DATE: 2005-09-19
; PRIOR APPLICATION NUMBER: US/09/957,708
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19

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;   NUMBER OF SEQ ID NOS: 40
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 2125
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-230-251-19

  Query Match              19.2%;   Score 636.6;   DB 21;   Length 2125;
  Best Local Similarity    72.8%;   Pred. No. 1.2e-161;
  Matches 1045;  Conservative    0;  Mismatches    4;  Indels  386;  Gaps    2;

Qy      2260 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACTGGGTGG 2319
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         1 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACTGGGTGG 60

Qy      2320 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCG 2379
             |||||||||||||||||||||||||||||||||||||||||||||||| |||||||||||
Db        61 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCCGAGCGCA 120

Qy      2380 CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCA 2439
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       121 CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCA 180

Qy      2440 GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGA 2499
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       181 GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGA 240

Qy      2500 CCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCT 2559
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       241 CCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCT 300

Qy      2560 TCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT 2619
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Db       301 TCGCCGCCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT 360

Qy      2620 ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTG--- 2676
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       361 ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTGAGG 420

Qy      2677 ------------------------------------------------------------ 2676

Db       421 TAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCCGACCCTGTGCTTTGC 480

Qy      2677 ------------------------------------------------------------ 2676

Db       481 CTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACTTCCTGCTGTGTCATCTTGGTCA 540

Qy      2677 ------------------------------------------------------------ 2676

Db       541 AATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCATCCCTGGGTTGTGGT 600

Qy      2677 ------------------------------------------------------------ 2676
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Db      601  GTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGCTGGGGTGGCCTCTG  660

Qy     2677  ------------------------------------------------------------  2676


Db      661  CCCCTTCTGGGGTTCCTTTTCCTGCACAGCTGCTTTCTGACTCCACCCACAGCTGGGAGC  720

Qy     2677  ------------------------------------------------------------  2676


Db      721  AGGTGCCGGAGCCCCGGCCTGCCTGGCCCTGTGAAGGCCACTCTGGGCGTTTGGGTGGGC  780

Qy     2677  ---------------------AGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTC  2714
                                  |||||||||||||||||||||||||||||||||||||||
Db      781  GTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTC  840


Qy     2715  CTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT  2774
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      841  CTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT  900


Qy     2775  AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAG  2834
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      901  AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAG  960


Qy     2835  CCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAG  2894
             ||||   |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      961  CCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAG  1020


Qy     2895  CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAG  2954
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1021  CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAG  1080


Qy     2955  CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCT-  3013
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1081  CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTG  1140


Qy     3014  GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCCT  3073
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |
Db     1141  GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCTT  1200


Qy     3074  CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT  3133
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1201  CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT  1260


Qy     3134  GTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCG  3193
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1261  GTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCG  1320


Qy     3194  GTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC  3253
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1321  GTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC  1380


Qy     3254  TCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT  3308
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1381  TCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT  1435
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RESULT 10
US-11-266-748A-50164
; Sequence 50164, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
;  APPLICANT: Harkin, Paul
;  APPLICANT:  Johnston, Patrick
;  APPLICANT:  Mulligan, Karl
;  TITLE OF INVENTION: Transcriptome Microarray Technology and
;  TITLE OF INVENTION:  Methods of Using the Same
;  FILE REFERENCE: 55815-0102 (319189)
;  CURRENT APPLICATION NUMBER: US/11/266,748A
;  CURRENT FILING DATE:  2005-11-03
;  PRIOR APPLICATION NUMBER: EP 04105479.2
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105482.6
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105483.4
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105507.0
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105485.9
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105484.2
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: US 60/662,276
;  PRIOR FILING DATE: 2005-03-14
;  PRIOR APPLICATION NUMBER: US 60/700,293
;  PRIOR FILING DATE: 2005-07-18
;  NUMBER OF SEQ ID NOS: 483996
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50164
;   LENGTH: 1567
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-11-266-748A-50164

  Query Match              19.1%;   Score 630.4;  DB 21;   Length 1567;
  Best Local Similarity    97.6%;   Pred. No. 5.3e-160;
  Matches  640;  Conservative   0;  Mismatches   16;  Indels    0;  Gaps     0;

Qy      2653 GCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 2712
             || ||     | ||| |      |    |||||||||||||||||||||||||||||||||
Db       200 GCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 259

Qy      2713 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 2772
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       260 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 319

Qy      2773 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 2832
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       320 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 379
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Qy      2833 AGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 2892
             ||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       380 AGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 439

Qy      2893 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 2952
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       440 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 499

Qy      2953 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 3012
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       500 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 559

Qy      3013 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCC 3072
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       560 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCC 619

Qy      3073 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 3132
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       620 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 679

Qy      3133 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 3192
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       680 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 739

Qy      3193 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 3252
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       740 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 799

Qy      3253 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       800 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 855
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RESULT 11
US-11-599-845A-696
; Sequence 696, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul E.
;  APPLICANT:  Ebner, Reinhard
;  APPLICANT:  Weaver, Zoe
;  APPLICANT:  Strovel, Jeffrey W.
;  APPLICANT:  Horrigan, Stephen K.
;  APPLICANT:  Shea, Martin
;  APPLICANT:  Weigle, Bernd
;  APPLICANT:  Rieger, Michael
;  APPLICANT:  Rick, Jennifer A.
;  APPLICANT:  Cain, Colyn B.
;  TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
;  FILE REFERENCE: 689290-273
;  CURRENT APPLICATION NUMBER: US/11/599,845A
;  CURRENT FILING DATE:  2006-11-15
;  PRIOR APPLICATION NUMBER: 10/585,466
;  PRIOR FILING DATE: 2005-01-04
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;  PRIOR APPLICATION NUMBER: PCT/US2005/000040
;  PRIOR FILING DATE: 2005-01-04
;  PRIOR APPLICATION NUMBER: 10/583,832
;  PRIOR FILING DATE: 2004-12-16
;  PRIOR APPLICATION NUMBER: PCT/US2004/42406
;  PRIOR FILING DATE: 2004-12-16
;  PRIOR APPLICATION NUMBER: 10/575,337
;  PRIOR FILING DATE: 2004-10-07
;  PRIOR APPLICATION NUMBER: PCT/US2004/33072
;  PRIOR FILING DATE: 2004-10-07
;  PRIOR APPLICATION NUMBER: 10/540,310
;  PRIOR FILING DATE: 2003-12-19
;  PRIOR APPLICATION NUMBER: PCT/US2003/40710
;  PRIOR FILING DATE: 2003-12-19
;  PRIOR APPLICATION NUMBER: 10/518,039
;  PRIOR FILING DATE: 2003-06-10
;  PRIOR APPLICATION NUMBER: PCT/US2003/19741
;  PRIOR FILING DATE: 2003-06-10
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 769
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 696
;   LENGTH: 1567
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-599-845A-696

  Query Match              19.1%;  Score 630.4;  DB 29;  Length 1567;
  Best Local Similarity    97.6%;  Pred. No. 5.3e-160;
  Matches  640;  Conservative   0;  Mismatches  16;  Indels   0;  Gaps   0;

Qy    2653 GCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 2712
           || ||       | ||| |     |    |||||||||||||||||||||||||||||||||
Db     200 GCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 259

Qy    2713 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 2772
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     260 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 319

Qy    2773 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 2832
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     320 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 379

Qy    2833 AGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 2892
           ||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     380 AGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 439

Qy    2893 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 2952
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     440 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 499

Qy    2953 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 3012
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     500 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 559
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Qy      3013 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC 3072
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       560 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC 619

Qy      3073 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 3132
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       620 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 679

Qy      3133 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 3192
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       680 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 739

Qy      3193 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 3252
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       740 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 799

Qy      3253 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       800 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 855
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RESULT 12
US-11-443-428A-88595
; Sequence 88595, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
;  APPLICANT: Mintz, Liat
;  APPLICANT:  Xie, Hanqing
;  APPLICANT:  Dahari, Dvir
;  APPLICANT:  Levanon, Erez
;  APPLICANT:  Freilich, Shiri
;  APPLICANT:  Beck, Nili
;  APPLICANT:  Zhu, Wei-Yong
;  APPLICANT:  Wasserman, Alon
;  APPLICANT:  Hermesh, Chen
;  APPLICANT:  Azar, Idit
;  APPLICANT:  Bernstein, Jeanne
;  TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
;  FILE REFERENCE: 02/23929
;  CURRENT APPLICATION NUMBER: US/11/443,428A
;  CURRENT FILING DATE:  2006-05-31
;  NUMBER OF SEQ ID NOS: 1034312
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 88595
;   LENGTH: 2352
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-443-428A-88595

  Query Match                19.1%;  Score 630.4;  DB 26;  Length 2352;
  Best Local Similarity    97.6%;  Pred. No. 5.8e-160;
  Matches  640;  Conservative    0;  Mismatches   16;  Indels    0;  Gaps    0;
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Qy      2653 GCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 2712
             || ||       | || |      |    |||||||||||||||||||||||||||||||||
Db      1005 GCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 1064

Qy      2713 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 2772
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1065 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 1124

Qy      2773 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 2832
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1125 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 1184

Qy      2833 AGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 2892
             |||||  |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1185 AGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 1244

Qy      2893 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 2952
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1245 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTG 1304

Qy      2953 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 3012
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1305 AGCCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 1364

Qy      3013 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCC 3072
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1365 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCCAGCGCCGGCTTCTCTCC 1424

Qy      3073 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 3132
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1425 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT 1484

Qy      3133 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 3192
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1485 TGTTTCCTGCTCCCAGACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTC 1544

Qy      3193 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 3252
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1545 GGTGGCCTCCCCAGGCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 1604

Qy      3253 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1605 CTCGCCGCCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 1660
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RESULT 13
US-10-495-663-2
; Sequence 2, Application US/10495663
; Publication No. US20040241702A1
; GENERAL INFORMATION:
;   APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE
;   APPLICANT: SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES
;   APPLICANT: Bera, Tapan K.
;   APPLICANT: Wolfgang, Curt D.

```
;  APPLICANT:  Pastan, Ira H.
;  APPLICANT:  Lee, Byungkook
;  APPLICANT:  Vincent, James
;  TITLE OF INVENTION: NEW GENE EXPRESSED IN PROSTATE CANCER AND METHODS OF USE
;  FILE REFERENCE: 4239-68238-01
;  CURRENT APPLICATION NUMBER: US/10/495,663
;  CURRENT FILING DATE:  2004-05-12
;  PRIOR APPLICATION NUMBER: PCT/US02/36648
;  PRIOR FILING DATE: 2002-11-13
;  PRIOR APPLICATION NUMBER: US 60/336,308
;  PRIOR FILING DATE: 2001-11-14
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;  LENGTH: 917
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-495-663-2

  Query Match                  16.9%;   Score 559;   DB 10;   Length 917;
  Best Local Similarity   99.5%;   Pred. No. 1.2e-140;
  Matches   572;  Conservative    0;  Mismatches    0;  Indels    3;  Gaps    1;

Qy        1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60

Qy       61 CTCCCCTGCCTGCTTCCTGGCCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 CTCCCCTGCCTGCTTCCTGGCCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120

Qy      121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180

Qy      181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240

Qy      241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCA 300
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCCAGGAAGAGGACAGCA 300

Qy      301 CCGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      301 CCGTCCTGATCGATGTGAGCCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360

Qy      361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCA 420
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCCTGCAGAGCTGGGAGTCCTGCCA 420

Qy      421 AGCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 480
            ||||||||||     ||||||||||||||||||||||||||||||||||||||||||||
Db      421 AGCCCCGGATC---GACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 477
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Qy      481 AGGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 540
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      478 AGGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 537

Qy      541 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 575
            |||||||||||||||||||||||||||||||||||
Db      538 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 572
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RESULT 14
US-11-266-748A-284040
; Sequence 284040, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 284040
;   LENGTH: 917
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-11-266-748A-284040

  Query Match   16.9%; Score 559; DB 21; Length 917;
  Best Local Similarity   99.5%; Pred. No. 1.2e-140;
  Matches 572; Conservative   0; Mismatches   0; Indels   3; Gaps   1;

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RESULT 15
US-11-266-748A-335469/c
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; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6

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;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105483.4
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105507.0
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105485.9
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: EP 04105484.2
;  PRIOR FILING DATE: 2004-11-03
;  PRIOR APPLICATION NUMBER: US 60/662,276
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;  NUMBER OF SEQ ID NOS: 483996
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 335469
;   LENGTH: 917
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-11-266-748A-335469

  Query Match              16.9%;   Score 559;  DB 21;   Length 917;
  Best Local Similarity    99.5%;   Pred. No. 1.2e-140;
  Matches  572;  Conservative     0;  Mismatches     0;  Indels    3;  Gaps     1;

Qy          1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60
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